

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.2902  
TO BE ANSWERED ON 05.08.2021**

**CONSUMPTION OF ELECTRICITY**

**†2902. SHRI VISHNU DAYAL RAM:  
SHRI UPENDRA SINGH RAWAT:**

**Will the Minister of POWER  
be pleased to state:**

- (a) whether electricity consumption has increased in the country during the last three years and the current year and if so, the details thereof, State-wise including Barabanki district of Uttar Pradesh;**
- (b) whether the country is capable to fulfill the demand of electricity generation as per requirement, if so, the details thereof and if not, the reasons therefor;**
- (c) the measures taken/being taken by the Government to fulfill the electricity demand;**
- (d) whether new power projects have been established/approved by the Government across the country; and**
- (e) if so, the details thereof, State-wise including Jharkhand and Uttar Pradesh?**

**A N S W E R**

**THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY**

**(SHRI R.K. SINGH)**

**(a) : Yes, Sir. The consumption of electrical energy has increased from 12,67,526 Million Units (MUs) in 2018-19 to 12,70,663 MUs in 2020-21. The peak electricity demand has also increased from 1,75,528 MW in 2018-19 to 2,00,570 MW during the current year 2021-22. The details of the State/UT-wise Power Supply Position in the country including Uttar Pradesh, for the last three years i.e. 2018-19, 2019-20 and 2020-21 and the current year i.e. 2021-22 (upto June, 2021) is given at Annexure-I. The Power Supply Position of Uttar Pradesh includes the power supplied to Barabanki district also.**

**(b) : The present installed generation capacity in the country is around 384 Giga Watt (GW) which is more than sufficient to meet the power demand in the country. The maximum peak power demand experienced so far was around 200.57 GW on 07.07.2021.**

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**(c) : Following steps are being taken to increase power production to meet the power demand in the country:**

- (i) Conventional power generation capacity to be commissioned by 2024-25 is at various stages of construction in the country which includes Thermal 36,765 MW, Hydro 10,164.50 MW and Nuclear 4,800 MW.**
- (ii) Government of India have set a target of 1,75,000 MW installed capacity from renewable sources by the end of 2021-22 which includes 1,00,000 MW from Solar, 60,000 MW from Wind, 10,000 MW from Biomass and 5,000 MW from small hydro.**

**(d) & (e) : As per the Electricity Act, 2003, generation is a de-licensed activity and the investment decision for setting up of power projects is made by the concerned developers. However, the State-wise details of the new projects of the Central Public Sector Undertakings (CPSUs) for which the Central Government has given investment approval are given at Annexure-II.**

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2902 TO BE ANSWERED IN THE LOK SABHA ON 05.08.2021**

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The comparative details of the State/UT-wise Power Supply Position in the country including Uttar Pradesh, for the last three years i.e. 2018-19, 2019-20 and 2020-21 and the current year i.e. 2021-22 (upto June, 2021)

State / System / Region	April, 2021 - June, 2021				April, 2020 - June, 2020			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	(MU)	(MU)	(MU)	( % )	( MU )	( MU )	(MU)	(% )
Chandigarh	400	400	0	0.0	352	352	0	0.0
Delhi	7,856	7,854	1	0.0	7,303	7,302	1	0.0
Haryana	13,629	13,609	20	0.1	11,570	11,570	0	0.0
Himachal Pradesh	2,742	2,737	5	0.2	1,929	1,925	5	0.3
UT of J&K and Ladakh	5,086	4,674	412	8.1	4,753	3,844	908	19.1
Punjab	15,400	15,344	56	0.4	12,995	12,995	0	0.0
Rajasthan	20,448	20,418	30	0.1	18,762	18,742	20	0.1
Uttar Pradesh	32,788	32,457	331	1.0	30,411	30,123	288	0.9
Uttarakhand	3,543	3,538	5	0.2	2,901	2,901	0	0.0
Northern Region	101,892	101,031	861	0.8	90,977	89,754	1,222	1.3
Chhattisgarh	7,872	7,870	2	0.0	6,770	6,770	0	0.0
Gujarat	30,721	30,721	0	0.0	25,270	25,270	0	0.0
Madhya Pradesh	19,222	19,222	0	0.0	16,869	16,869	0	0.0
Maharashtra	43,707	43,707	0	0.0	35,250	35,250	0	0.0
Daman & Diu	617	617	0	0.0	353	353	0	0.0
Dadar Nagar Haveli	1,591	1,591	0	0.0	680	680	0	0.0
Goa	1,143	1,143	0	0.0	968	968	0	0.0
Western Region	104,872	104,871	2	0.0	86,160	86,160	0	0.0
Andhra Pradesh	17,756	17,746	9	0.1	15,469	15,469	0	0.0
Telangana	16,517	16,516	1	0.0	14,146	14,146	0	0.0
Karnataka	18,274	18,273	1	0.0	17,658	17,658	0	0.0
Kerala	6,489	6,485	4	0.1	6,157	6,155	2	0.0
Tamil Nadu	28,615	28,614	1	0.0	24,892	24,892	0	0.0
Puducherry	761	761	0	0.0	615	615	0	0.0
Lakshadweep #	15	15	0	0.0	15	15	0	0.0
Southern Region	88,412	88,395	17	0.0	78,937	78,935	2	0.0
Bihar	9,421	9,375	46	0.5	8,069	8,054	15	0.2
DVC	5,819	5,819	0	0.0	4,034	4,034	0	0.0
Jharkhand	2,635	2,577	57	2.2	2,227	2,176	50	2.3
Odisha	9,184	9,184	0	0.0	6,935	6,935	0	0.0
West Bengal	14,674	14,648	26	0.2	12,036	11,960	76	0.6
Sikkim	136	136	0	0.0	124	124	0	0.0
Andaman- Nicobar #	87	81	6	6.7	87	81	6	6.7
Eastern Region	41,869	41,739	129	0.3	33,426	33,285	141	0.4
Arunachal Pradesh	188	188	1	0.3	135	133	2	1.3
Assam	2,697	2,679	19	0.7	2,268	2,138	131	5.8
Manipur	227	226	1	0.4	208	206	2	0.9
Meghalaya	490	477	13	2.7	419	412	7	1.7
Mizoram	157	155	2	1.3	154	153	2	1.1
Nagaland	206	205	1	0.3	192	190	1	0.7
Tripura ##	407	407	0	0.1	361	359	2	0.6
North-Eastern Region	4,372	4,336	36	0.8	3,738	3,592	147	3.9
All India	341,418	340,372	1,046	0.3	293,238	291,725	1,513	0.5

# Lakshadweep and Andaman & Nicobar Islands are stand-alone systems, power supply position of these, does not form part of regional requirement and supply.

## Excludes the supply to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments. The MU figures have been rounded off to nearest unit place.

State/ System / Region	April, 2020 - March, 2021				April, 2019 -March, 2020			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	( MU )	( MU )	( MU )	(%)	( MU )	(MU)	(MU)	(%)
Chandigarh	1,523	1,523	0	0.0	1,732	1,732	0	0.0
Delhi	29,560	29,555	4	0.0	33,086	33,077	9	0.0
Haryana	53,161	53,108	53	0.1	54,505	54,492	13	0.0
Himachal Pradesh	10,186	10,130	56	0.5	10,424	10,353	71	0.7
Jammu & Kashmir	19,773	17,222	2,551	12.9	20,025	16,259	3,767	18.8
Punjab	58,445	58,377	67	0.1	56,776	56,770	6	0.0
Rajasthan	85,311	85,205	106	0.1	81,281	81,222	58	0.1
Uttar Pradesh	124,367	123,383	984	0.8	122,549	121,004	1,545	1.3
Uttarakhand	13,827	13,818	8	0.1	14,472	14,376	96	0.7
Northern Region	396,151	392,323	3,829	1.0	394,851	389,285	5,566	1.4
Chhattisgarh	30,472	30,449	22	0.1	30,111	30,107	4	0.0
Gujarat	111,622	111,622	0	0.0	113,940	113,939	1	0.0
Madhya Pradesh	83,437	83,437	0	0.0	76,172	76,172	0	0.0
Maharashtra	150,679	150,663	16	0.0	155,167	155,166	0	0.0
Daman & Diu	2,223	2,223	0	0.0	2,574	2,574	0	0.0
Dadar Nagar Haveli	5,497	5,497	0	0.0	6,528	6,528	0	0.0
Goa	4,083	4,083	0	0.0	4,350	4,350	0	0.0
Western Region	388,013	387,975	38	0.0	388,841	388,836	5	0.0
Andhra Pradesh	62,080	62,076	4	0.0	65,452	65,414	38	0.1
Telangana	66,998	66,994	4	0.0	68,306	68,303	3	0.0
Karnataka	68,851	68,831	19	0.0	72,799	72,796	3	0.0
Kerala	25,118	25,102	16	0.1	26,315	26,265	50	0.2
Tamil Nadu	101,194	101,189	5	0.0	108,816	108,812	4	0.0
Puducherry	2,644	2,644	0	0.0	2,847	2,846	1	0.0
Lakshadweep #	56	56	0	0.0	46	46	0	0.0
Southern Region	326,885	326,836	48	0.0	344,535	344,436	99	0.0
Bihar	34,171	34,018	153	0.4	31,627	31,533	94	0.3
DVC	21,368	21,368	0	0.0	22,429	22,427	2	0.0
Jharkhand	9,953	9,675	278	2.8	8,941	8,872	69	0.8
Odisha	29,848	29,848	0	0.0	29,692	29,692	0	0.0
West Bengal	51,644	51,543	100	0.2	52,948	52,824	124	0.2
Sikkim	546	546	0	0.0	554	554	0	0.0
Andaman- Nicobar #	346	323	23	6.7	346	323	23	6.7
Eastern Region	147,530	146,999	531	0.4	146,191	145,902	289	0.2
Arunachal Pradesh	719	714	5	0.7	753	749	4	0.5
Assam	10,192	9,815	377	3.7	9,804	9,288	516	5.3
Manipur	974	969	5	0.5	924	917	6	0.7
Meghalaya	2,031	2,005	26	1.3	2,112	2,064	48	2.3
Mizoram	728	723	4	0.6	647	643	4	0.7
Nagaland	826	822	4	0.5	814	809	5	0.7
Tripura	1,484	1,481	3	0.2	1,538	1,515	23	1.5
North-Eastern Region	16,955	16,531	424	2.5	16,591	15,984	607	3.7
All India	1,275,534	1,270,663	4,871	0.4	1,291,010	1,284,444	6,566	0.5

# Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and energy supplied.

\* Excludes energy exported to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments. The MU figures have been rounded off to nearest unit place.

State/ System / Region	April, 2019 - March, 2020				April, 2018 - March, 2019			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	( MU )	( MU )	( MU )	( % )	( MU )	( MU )	( MU )	( % )
Chandigarh	1,732	1,732	0	0.0	1,571	1,571	0	0.0
Delhi	33,086	33,077	9	0.0	32,299	32,282	17	0.1
Haryana	54,505	54,492	13	0.0	53,665	53,665	0	0.0
Himachal Pradesh	10,424	10,353	71	0.7	9,850	9,618	232	2.4
UT of J&K and Ladakh	20,025	16,259	3,767	18.8	18,988	15,616	3,372	17.8
Punjab	56,776	56,770	6	0.0	55,328	55,315	13	0.0
Rajasthan	81,281	81,222	58	0.1	79,815	79,626	189	0.2
Uttar Pradesh	122,549	121,004	1,545	1.3	117,133	116,149	984	0.8
Uttarakhand	14,472	14,376	96	0.7	13,845	13,753	92	0.7
Northern Region	394,851	389,285	5,566	1.4	382,493	377,595	4,898	1.3
Chhattisgarh	30,111	30,107	4	0.0	26,471	26,417	54	0.2
Gujarat	113,940	113,939	1	0.0	116,372	116,356	15	0.0
Madhya Pradesh	76,172	76,172	0	0.0	76,056	76,054	2	0.0
Maharashtra	155,167	155,166	0	0.0	158,295	158,157	137	0.1
Daman & Diu	2,574	2,574	0	0.0	2,558	2,558	0	0.0
Dadar Nagar Haveli	6,528	6,528	0	0.0	6,303	6,302	0	0.0
Goa	4,350	4,350	0	0.0	4,295	4,292	3	0.1
Western Region	388,841	388,836	5	0.0	390,349	390,136	212	0.1
Andhra Pradesh	65,452	65,414	38	0.1	63,861	63,804	58	0.1
Telangana	68,306	68,303	3	0.0	66,489	66,427	62	0.1
Karnataka	72,799	72,796	3	0.0	71,764	71,695	69	0.1
Kerala	26,315	26,265	50	0.2	25,016	24,898	118	0.5
Tamil Nadu	108,816	108,812	4	0.0	109,482	109,380	102	0.1
Puducherry	2,847	2,846	1	0.0	2,766	2,756	10	0.3
Lakshadweep #	46	46	0	0.0	46	46	0	0.0
Southern Region	344,535	344,436	99	0.0	339,377	338,960	417	0.1
Bihar	31,627	31,533	94	0.3	30,061	29,825	236	0.8
DVC	22,429	22,427	2	0.0	22,745	22,372	372	1.6
Jharkhand	8,941	8,872	69	0.8	8,737	8,490	247	2.8
Odisha	29,692	29,692	0	0.0	32,145	32,115	30	0.1
West Bengal	52,948	52,824	124	0.2	51,471	51,287	184	0.4
Sikkim	554	554	0	0.0	527	527	0	0.1
Andaman- Nicobar #	346	323	23	6.7	346	323	23	6.7
Eastern Region	146,191	145,902	289	0.2	145,686	144,616	1,070	0.7
Arunachal Pradesh	753	749	4	0.5	869	859	9	1.1
Assam	9,804	9,288	516	5.3	9,566	9,238	328	3.4
Manipur	924	917	6	0.7	905	895	10	1.2
Meghalaya	2,112	2,064	48	2.3	1,957	1,956	2	0.1
Mizoram	647	643	4	0.7	643	635	8	1.2
Nagaland	814	809	5	0.7	888	795	93	10.5
Tripura*	1,538	1,515	23	1.5	1,863	1,841	22	1.2
North-Eastern Region	16,591	15,984	607	3.7	16,691	16,219	472	2.8
All India	1,291,010	1,284,444	6,566	0.5	1,274,595	1,267,526	7,070	0.6

# Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, do not form part of regional requirement and energy supplied.

\* Excludes energy exported to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments. The MU figures have been rounded off to nearest unit place.

State/ System / Region	April, 2018 - March, 2019				April, 2017 - March, 2018			
	Energy Requirement	Energy Supplied	Energy not Supplied		Energy Requirement	Energy Supplied	Energy not Supplied	
	( MU )	( MU )	( MU )	( % )	( MU )	( MU )	( MU )	( % )
Chandigarh	1,571	1,571	0	0.0	1,610	1,601	9	0.5
Delhi	32,299	32,282	17	0.1	31,826	31,806	19	0.1
Haryana	53,665	53,665	0	0.0	50,775	50,775	0	0.0
Himachal Pradesh	9,850	9,618	232	2.4	9,399	9,346	53	0.6
Jammu & Kashmir	18,988	15,616	3,372	17.8	18,808	15,050	3,759	20.0
Punjab	55,328	55,315	13	0.0	54,812	54,812	0	0.0
Rajasthan	79,815	79,626	189	0.2	71,194	70,603	591	0.8
Uttar Pradesh	117,133	116,149	984	0.8	120,052	118,303	1,749	1.5
Uttarakhand	13,845	13,753	92	0.7	13,457	13,426	31	0.2
Northern Region	382,493	377,595	4,898	1.3	371,934	365,723	6,211	1.7
Chhattisgarh	26,471	26,417	54	0.2	25,916	25,832	84	0.3
Gujarat	116,372	116,356	15	0.0	109,984	109,973	12	0.0
Madhya Pradesh	76,056	76,054	2	0.0	69,925	69,925	0	0.0
Maharashtra	158,295	158,157	137	0.1	149,761	149,531	230	0.2
Daman & Diu	2,558	2,558	0	0.0	2,534	2,534	0	0.0
Dadar Nagar Haveli	6,303	6,302	0	0.0	6,168	6,168	0	0.0
Goa	4,295	4,292	3	0.1	4,117	4,117	0	0.0
Western Region	390,349	390,136	212	0.1	368,405	368,080	326	0.1
Andhra Pradesh	63,861	63,804	58	0.1	58,384	58,288	96	0.2
Telangana	66,489	66,427	62	0.1	60,319	60,235	83	0.1
Karnataka	71,764	71,695	69	0.1	67,869	67,701	168	0.2
Kerala	25,016	24,898	118	0.5	25,002	24,917	85	0.3
Tamil Nadu	109,482	109,380	102	0.1	106,006	105,839	166	0.2
Puducherry	2,766	2,756	10	0.3	2,668	2,661	7	0.3
Lakshadweep #	46	46	0	0.0	47	47	0	0.0
Southern Region	339,377	338,960	417	0.1	320,248	319,642	606	0.2
Bihar	30,061	29,825	236	0.8	27,019	26,603	417	1.5
DVC	22,745	22,372	372	1.6	21,549	21,373	176	0.8
Jharkhand	8,737	8,490	247	2.8	7,907	7,753	154	1.9
Odisha	32,145	32,115	30	0.1	28,802	28,706	96	0.3
West Bengal	51,471	51,287	184	0.4	50,760	50,569	191	0.4
Sikkim	527	527	0	0.1	485	484	0	0.1
Andaman- Nicobar #	346	323	23	6.7	328	299	29	8.9
Eastern Region	145,686	144,616	1,070	0.7	136,522	135,489	1,034	0.8
Arunachal Pradesh	869	859	9	1.1	799	788	10	1.3
Assam	9,566	9,238	328	3.4	9,094	8,779	315	3.5
Manipur	905	895	10	1.2	874	827	46	5.3
Meghalaya	1,957	1,956	2	0.1	1,557	1,553	3	0.2
Mizoram	643	635	8	1.2	497	488	9	1.7
Nagaland	888	795	93	10.5	794	774	20	2.5
Tripura	1,863	1,841	22	1.2	2,602	2,553	49	1.9
North-Eastern Region	16,691	16,219	472	2.8	16,216	15,763	453	2.8
All India	1,274,595	1,267,526	7,070	0.6	1,213,326	1,204,697	8,629	0.7

# Lakshadweep and Andaman & Nicobar Islands are stand-alone systems, power supply position of these do not form part of regional requirement and supply.

Note: Power Supply Position Report has been compiled based on the data furnished by State Utilities/ Electricity Departments. The MU figures have been rounded off to nearest unit place.

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## ANNEXURE-II

### ANNEXURE REFERRED TO IN REPLY TO PARTS (d) & (e) OF UNSTARRED QUESTION NO. 2902 TO BE ANSWERED IN THE LOK SABHA ON 05.08.2021

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#### Projects for which investment approval given by Central Government

##### Hydro Projects

Sl. No.	State/UT	Name of the Project	Capacity in MW
1.	UT of J&K	Pakal Dul HE Project	1000
2.	UT of J&K	Kiru HE Project	624
3.	Sikkim	Teesta VI HE Project	500
4.	Arunachal Pradesh	Dibang Multipurpose Project	2880*
5.	UT of J&K	Ratle HE Project	850
6.	Sikkim	Rangit IV HE Project	120
7.	Uttarakhand	Koteshwar HEP	400
8.	Uttarakhand	Naitwar Mori HEP	60
9.	Himachal Pradesh	Luhri HEP Stage-I	210
10.	Himachal Pradesh	Dhoulasidh HEP	66

\*Investment approval was given for pre-investment activities only.

##### Thermal Projects

Sl. No.	State/UT	Name of the Project	Capacity in MW
1.	Bihar	Buxar Thermal Power Project	2x660
2.	Uttar Pradesh	Khurja Super Thermal Power Plant	2x660

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